



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:

RAFAEL SHAPIRO

CASE NO.: BA9327USPCT

APPLICATION NO.: 10/583635

CONFIRMATION NO.: UNKNOWN

GROUP ART UNIT: UNKNOWN

EXAMINER: UNKNOWN

FILED: January 21, 2005 (PCT Filing
Date) June 20, 2006 (371
Entry Date)

FOR: PROCESS FOR THE MANUFACTURE OF 2,3-DICHLOROPYRIDINE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

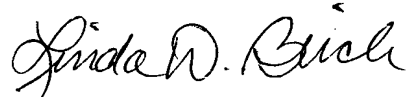
Sir:

In compliance with 37 C.F.R. §§1.97 and 1.98, Applicant brings to the attention of the U.S. Patent and Trademark Office the information listed on the enclosed PTO/SB/08A and/or PTO/SB/08B forms. A copy of the information, if required, is also enclosed. Consideration of the information is requested under 37 C.F.R. § 1.56 and this information is submitted in accord with the provisions of §1.97(b): within three months of filing the national application under 37 C.F.R. §1.53(d), or entry into the national stage under 37 C.F.R. §1.491, or before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action on the merits after filing a Request for Continued Examination under 37 C.F.R. §1.114.

With respect to foreign language documents, please note that DE2328757 is from the same patent family as English language US4082749. In addition, the Search Report for PCT/US2005/002462 is enclosed.

If this Information Disclosure Statement is filed under §1.97(b) but the mailing date hereof is after the mailing of a first Office Action on the merits, the PTO is authorized to charge the fee set forth in 37 C.F.R. §1.17(p) to Deposit Account No. **04-1928** (E. I. du Pont de Nemours and Company) in order to Complete the requirements for consideration of this Information Disclosure Statement.

Respectfully submitted,

A handwritten signature in cursive script that reads "Linda D. Birch".

LINDA D. BIRCH

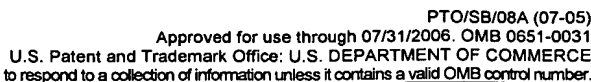
Agent for Applicants

Registration No.: 38,719

Telephone: (302) 992-4949

Facsimile: (302) 892-7949

Dated: December 20, 2006

**Complete if Known**

Application Number	10/583635
Filing Date	January 21, 2005 (PCT Filing Date) June 20, 2006 (371 Entry Date)
First Named Inventor	RAFAEL SHAPIRO
Group Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	BA9327USPCT

(Use as many sheets as necessary)

Sheet	1	of	3
-------	---	----	---

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		CountryCode ³ Number ⁴ Kind Code ⁵ (if known)				
	3	DE 1 695 659	12-16-1971	RUETGERSWERKE AG		<input checked="" type="checkbox"/>
	4	JP09227522	09-02-1997	KOEI CHEMICAL CO. LTD.		<input checked="" type="checkbox"/>
	5	DE2328757	01-09-1975	BASF AG		<input type="checkbox"/>
	6	FR1522261	04-26-1968	LABORATOIRES UPSA		<input checked="" type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/583635
				Filing Date	January 21, 2005 (PCT) June 20, 2006 (371)
				First Named Inventor	RAFAEL SHAPIRO
				Group Art Unit	UNKNOWN
				Examiner Name	UNKNOWN
Sheet	2	of	3	Attorney Docket Number	BA9327USPCT

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	7	H.J. DEN HERTOOG ET. AL., "THE CHLOROPYRIDINES", RECUEIL. TRAV. CHIM., 1950, VOL. 69:673-699	<input type="checkbox"/>
	8	ECKEHARD V. DEHMLow ET. AL., "SYNTHESIS OF ORELLANINE, THE LETHAL POISON OF A TOADSTOOL", TETRAHEDRON LETTERS, 1985, VOL. 26:4903-4906	<input type="checkbox"/>
	9	DATABASE CROSSFIRE BEILSTEIN, XP002334748, DATABASE ACCESSION NO. BRN 1098214, ABSTRACT	<input type="checkbox"/>
	10	DATABASE CROSSFIRE BEILSTEIN, XP002334749, DATABASE ACCESSION NO. BRN 383619, ABSTRACT	<input type="checkbox"/>
	11	C.F.H. ALLEN ET AL., "3-AMINOPYRIDINE", ORG. SYN. 1950, 30, 3	<input type="checkbox"/>
	12	O. VON SCHICKH ET AL., "DERIVATE DES 3-AMINO-PYRIDINS", CHEM BER., 1936, 69, 2593	<input checked="" type="checkbox"/>
	13	XUEJUN YUAN ET AL., "IMPROVED SYNTHESIS 2-CHLORO-3-PYRIDINAMINE", CHINESE JOURNAL OF PHARMACEUTICALS, ZHONGGUO YIYAO GONGYE ZAZHI, 2000, 31(9), 420	<input checked="" type="checkbox"/>
	14	C. RATH, "ZUR KENNTNIS DES 3-AMINO-PYRIDINS", LIEBIG'S ANN., 1931, 486, 95	<input checked="" type="checkbox"/>
	15	R. STROH, HERSTELLUNG VON CHLORVERBINDUNGEN, HOUBEN-WEYL, METHODEN DE ORGANISCHEN CHEMIE, V/3, 846ff	<input checked="" type="checkbox"/>
	16	PETER HANSON ET AL., "SANDMEYER REACTIONS. PART 7. AN INVESTIGATION INTO THE REDUCTION STEPS OF SANDMEYER HYDROXYLATION AND CHLORINATION REACTIONS", J. CHEM. SOC., PERKIN TRANS. 2, 2002, 1135-1150	<input type="checkbox"/>
	17	C. GALLI, "RADICAL REACTIONS OF ARENEDIAZONIUM IONS: AN EASY ENTRY INTO THE CHEMISTRY OF THE ARYL RADICAL", CHEM. REV., 1988, 88, 765-792	<input type="checkbox"/>

Examiner Signature	Date Considered
-----------------------	--------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
Application Number		10/583635	
Filing Date		January 21, 2005 (PCT) June 20, 2006 (371)	
First Named Inventor		RAFAEL SHAPIRO	
Group Art Unit		UNKNOWN	
Examiner Name		UNKNOWN	
Attorney Docket Number		BA9327USPCT	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	18	SHOJI KAJIGAESHI ET AL., AN EFFICIENT METHOD FOR THE HOFMANN DEGRADATION OF AMIDES BY USE OF BENZYLTRIMETHYLAMMONIUM TRIBROMIDE", CHEMISTRY LETTERS, 1989, 3, 463	<input type="checkbox"/>
	19	DOUGLAS E. APPLEQUIST ET AL., "DISPLACEMENT REACTIONS AT BRIDGEHEADS OF BRIDGED POLYCARBOCYCLIC SYSTEMS", CHEM. REVIEWS, 1954, 54, 1065-1089	<input type="checkbox"/>
	20	ELLIOTT BAY ET AL., "A SIMPLE DIRECT PROCEDURE FOR THE REGIOSPECIFIC PREPARATION OF CHLORO AROMATIC COMPOUNDS", J. ORG. CHEM. 1988, 53, 2858-2859	<input type="checkbox"/>
	21	YUSUF AHMAD ET AL., "ACYLARYLNITROSAMINES. PART VII. REACTIONS OF 3-AMINOMETHOXYPRIDINES AND 3-AMINO-1-METHYLPYRIDONES. THE PREPARATION OF 2-METHOXY-3-PHENYL, 4-METHOXY-3-PHENYL-, AND 2-METHOXY-5-PHENYL-PYRIDINE", J. CHEM. SOC. 1954, 4516	<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Examiner Signature	Date Considered
-----------------------	--------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.